

UTAH

Science and Engineering Profile

	Utah	U.S.	Rank		Utah	U.S.	Rank
Doctoral scientists, 1993	3,509	430,332	33	Total R&D performance, 1993 (millions)	\$753	\$161,427	30
Doctoral engineers, 1993	809	81,293	29	Industry R&D, 1993 (millions)	\$411	\$117,622	31
S&E doctorates awarded, 1993	268	25,409	27	Academic R&D, 1993 (millions)	\$196	\$19,489	28
of which, in engineering	28%	22%		of which, in life sciences	46%	55%	
in life sciences	23%	24%		in engineering	24%	16%	
in psychology	17%	13%		in environmental sciences	9%	7%	
S&E postdoctorates, 1993				Higher education current-fund			
in doctorate-granting institutions	194	34,394	31	expenditures, 1993 (millions)	\$1,629	\$163,994	31
S&E graduate students, 1993				Number of SBIR awards, 1990-93	207	13,995	17
in doctorate-granting institutions	4,733	438,128	30	Patents issued to state residents, 1994	422	56,039	28
Population, 1994 (000s)	1,908	260,341	34	Gross state product, 1992 (billions)	\$35.6	\$5,994.1	37
Civilian labor force, 1994 (000s)	975	131,013	34	of which, agriculture	2%	2%	
Personal income per capita, 1994	\$17,043	\$21,809	49	manufacturing, mining, construction	23%	23%	
Federal spending				transportation, communication, utilities	10%	9%	
Total expenditures 1994 (millions)	\$7,594	\$1,284,896	38	wholesale and retail trade	16%	16%	
R&D obligations 1993 (millions)	\$299	\$65,394	30	finance, insurance, real estate	15%	18%	
				services	19%	20%	
				government	15%	12%	

Rankings and totals are based on data for the 50 States and D.C.

Federal Obligations for Research and Development in Utah by Agency and Performer: Fiscal Year 1993

[Thousands of dollars]

	Total	Federal intramural	All FFRDCs	Industrial firms	Universities & colleges	Other nonprofits	State & local government	State rank
Total, all agencies	298,829	140,556	0	36,434	116,039	4,924	876	30
Department of Agriculture	12,483	9,079	0	0	3,399	0	5	35
Department of Commerce	559	0	0	468	91	0	0	35
Department of Defense	170,100	119,221	0	22,266	28,613	0	0	23
Department of Energy	10,779	0	0	2,371	4,713	3,695	0	34
Dept. of Health & Human Services	61,594	0	0	5,035	55,138	1,229	192	28
Department of the Interior	14,758	12,256	0	40	2,376	0	86	13
Department of Transportation	1,077	0	0	148	336	0	593	38
Environmental Protection Agency	2,165	0	0	165	2,000	0	0	26
Nat'l Aeronautics & Space Admin.	7,828	0	0	5,337	2,491	0	0	30
National Science Foundation	17,486	0	0	604	16,882	0	0	27
State rank	30	19	na	33	27	33	47	

Federal R&D obligations are as reported by funding agencies.

FFRDC = federally funded research and development center

SBIR = small business innovation research

na = not applicable

Prepared by the National Science Foundation/Division of Science Resources Studies. Data compiled from numerous sources.